

Title (en)

GEAR-BASED CONTINUOUSLY ENGAGED VARIABLE TRANSMISSION

Title (de)

KONTINUIERLICH EINGERÜCKTES VERSTELLBARES GETRIEBE AUF ZAHNRADBASIS

Title (fr)

TRANSMISSION À VARIATION CONTINUE À ENGRENAGES

Publication

**EP 2171310 B1 20101201 (EN)**

Application

**EP 07764309 A 20070702**

Priority

CY 2007000005 W 20070702

Abstract (en)

[origin: WO2009003426A1] A method is described for changing gear-ratio by displacing at least one part of the engaging surface of a composite gear (21) and aligning it to the engaging surface of another gear (22), thus permitting a complementary third gear (25) engaged to the engaging surface, to shift from one composite gear to a different composite gear, while being constantly engaged. The method can be employed in a device, which can be used to form a gear-based, continuously engaged, variable transmission. Such a transmission, enhanced by- being combined with a differential assembly and the appropriate gearing, can provide rotational motion at various speeds in one direction and the reverse direction as well as zero motion.

IPC 8 full level

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CPC (source: EP US)

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